



UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 1 -- Catchment Information

Subwatershed: Bear Branch

Location of Catchment Centroid on ADC Map: Year: 2001 Page: 4 Grid: C6

State Plane Coordinates of Outfall Location: X: 1346486 Y: 517831

Closest Road Intersection to Outfall: Van Dusen Road and Olive Branch Way

Outfall SDI ID or Outfall Description: drains to natural channel on northeast side of property

Objective: Demonstration / Impairment(s) (Sheet 1) _____

Drainage Area (ac): 39.2 Impervious Area (ac): 15.0

Percent Impervious: 38% Soil Recharge Factor (S): 0.12

WQ_v (required): 1.29 Re_v (required): 0.15

Predominant Land Use: commercial Mean Depth to Ground Water: 1-2 ft

Sanitary System: Septic Municipal Sewer Water Supply: On Site Well Public Water

Storm Drainage System Within Catchment

Piped: 75% Open Channels: 25%

Area Drained by System: 100%

Location in Catchment: Headwaters Middle Lower All

Open Channel Lining- Vegetation: 75% Riprap: 25% Concrete: 0% Other: 0%

Existing IMP(s) / BMP(s)

SDI ID: Varies Type (number from Sheets 4 & 5): 38 & 39 Age: Varies

Closest Road Intersection to IMP / BMP: Behinke Drive and Contee Road

Catchment Area Treated (ac) : Unknown Percentage Catchment Treated: Unknown

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

SDI ID: 85127A Type (number from Sheets 4 & 5): 16 Age: 17

Closest Road Intersection to IMP / BMP: Laurel Place and Cherry Lane

Catchment Area Treated (ac) : 26.9 Percentage Catchment Treated: 100%

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

SDI ID: 85128A Type (number from Sheets 4 & 5): 16 Age: 17

Closest Road Intersection to IMP / BMP: Oxford Drive and Chapel Cove Drive

Catchment Area Treated (ac) : 26.9 Percentage Catchment Treated: 100%

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 1 -- Catchment Information (concluded)**

CATCHMENT SUMMARY

WQ_v (provided): _____

Re_v (provided) : _____

Area Treated (ac): _____

Impervious Area Treated (ac): _____

Area Treated (%): _____

Impervious Area Treated (%): _____

Comments

Eleven bioretention facilities were observed throughout the site. The design aspects are unknown. The facilities do not appear to be functioning as current designs.

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 2 -- Site Information

Site Name: Laurel Regional Hospital Address: Contee Road and Van Dusen Road
 Site Owner: Prince Georges County
 State Plane Coordinates of Site Centroid: X: 1346063 Y: 517021 Date: 3/21/03
 Personnel: JA, PM Weather: overcast, 60F deg
 Area (ac): 38.3 Impervious Area (ac): 16.8
 Percent Impervious: 35% Soil Recharge Factor (S): 0.12
 WQ_v (required): 1.16 Re_v (required): 0.14
 Property Area (ac): 48.1 Property Area Included in Site: 80 %
 Amount of Catchment Occupied by Site: 98 %

Storm Drainage System Within Site

Piped: 75% Open Channels: 25% Area Drained by System: 75%
 Open Channel Lining - Vegetation: 75% Riprap: 25% Concrete: 0% Other: 0%

Existing IMP(s) / BMP(s) (Identified on Page 1, FORM 1, Catchment Information)

SDI ID: Varies Condition: Excellent Good Average Fair Poor
 SDI ID: 85127A Condition: Excellent Good Average Fair Poor
 SDI ID: 85128A Condition: Excellent Good Average Fair Poor

Site Information

Type of Pavement: Bituminous Concrete Gravel Grid Pavers Other _____
 Pavement Condition: Excellent Good Average Fair Poor
 Underdrains can be easily directed to existing storm drains or daylighted: YES NO
 Gutter/Exterior Downspouts Present: YES NO
 Roof Connected Directly to Storm Drain: YES NO
 Roof Drains onto Impervious Surface: YES NO
 Obvious Existing Drainage Problems: Extensive Moderate Average Limited None
 Steep Slopes Present: Extensive Moderate Average Limited None
 Existing Landscaping: Extensive Moderate Average Limited None
 Mature / Specimen Trees: Extensive Moderate Average Limited None
 Area Available for Aboveground BMPs: Extensive Moderate Average Limited None
 Existing Cover of Potential Aboveground BMP Locations: Grass Landscaped Gravel Other Pervious
 Pavement Other Impervious

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information (concluded)**

Commercial / Institutional

Islands Present: YES NO

Curb Present Around Island: YES NO

Ground Level of Island Relative to Pavement: Above Equal Below

Island Landscaping: Impervious Bare Earth Gravel Grass Mulch Herbaceous Plants Shrubs
 Trees (<2 in. DBH) Trees (2 - 6 in. DBH) Trees (>6 in. DBH)

Trees have sufficient spacing to allow IMPs YES NO

Parking area that can be directed to potential treatment area with little grading: 95%

SITE SUMMARY	
WQ _v (provided) :	Re _v (provided):
Area Treated (ac) :	Impervious Area Treated (ac):
Area Treated (%) :	Impervious Area Treated (%):

Photographs

- | | |
|----------------|--|
| No. <u>392</u> | Description: <u>looking northwest at hospital entrance</u> |
| No. <u>393</u> | Description: <u>looking west at south end of hospital</u> |
| No. <u>394</u> | Description: <u>looking northwest at emergency entrance</u> |
| No. <u>395</u> | Description: <u>BMP #1</u> |
| No. <u>396</u> | Description: <u>BMP #2</u> |
| No. <u>397</u> | Description: <u>BMP #3</u> |
| No. <u>398</u> | Description: <u>BMP #4</u> |
| No. <u>399</u> | Description: <u>looking west at east end of hospital</u> |
| No. <u>400</u> | Description: <u>BMP #5</u> |
| No. <u>401</u> | Description: <u>BMP #6</u> |
| No. <u>402</u> | Description: <u>BMP #7</u> |
| No. <u>403</u> | Description: <u>BMP #8</u> |
| No. <u>404</u> | Description: <u>BMP #9</u> |
| No. <u>405</u> | Description: <u>BMP #10</u> |
| No. <u>406</u> | Description: <u>BMP #11</u> |
| No. <u>407</u> | Description: <u>looking southwest at north end of hospital</u> |
| No. <u>408</u> | Description: <u>looking south at west end of hospital</u> |
| No. <u>409</u> | Description: <u>looking west at medical building</u> |

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information**



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**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information (continued)**



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**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information (continued)**



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